



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO.

55908 (46322)

SERIAL NO.

09/868,879

APPLICANT(S) Julian Schofield, et al.

FILING DATE 22 June 2001

GROUP NO. ~~Not Yet Assigned~~ 1636

UNITED STATES PATENT DOCUMENTS

M. Manich

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
mm	AA	5,418,147	05/23/95	Huang, et al.	435	69.1	03/31/92

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
mm	BA	WO 99/47565	23/09/99	PCT			Y
mm	BB	0 477 739 A2	01/04/92	EP	C12N	15/55	Y

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

mm	CA	Lierheimer, et al., "The neuronal cell-adhesion molecule axonin-1 is specifically released by an endogenous glycosylphosphatidylinositol-specific phospholipase"; Eur. J. Biochem. Vol. 243, pp. 502-510, 1997.					
mm	CB	Scallon, et al., "Primary Structure and Functional Activity of a Phosphatidylinositol-Glycan-Specific Phospholipase D, Science, Vol. 252, pp 446-448, 1991					
mm	CC	Jones, et al., "Glycosyl-phosphatidylinositol-phospholipase Type D: A Possible Candidate for the Generation of Second Messengers", Biochem. And Biophys. Res. Comm., vol. 233, pp 432-437, 1997.					
mm	CD	Caro, et al., "Isolation and Partial Characterisation of Insulin-Mimetic Inositol Phosphoglycans from Human Liver", Biochem. And Molec. Med., vol. 61, pp 214-228, 1997.					
mm	CE	Rademacher, et al., "Inositolphosphoglycan second messengers", Brazilian J Med Biol Res, vol 27, pp 327-341, 1994.					
mm	CF	Deeg, et al., "Regulation of Glycosylphosphatidylinositol-Specific Phospholipase D Secretion from BTC3 cells", Endocrinology, Vol. 136, No. 2, pp 819-826, 1997.					

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6/26/04



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mm	CG	Heller, et al., "Generation by limited proteolysis of a catalytically active 39-kDa protein from the 115-kDa form of phosphatidylinositol-glycan-specific phospholipase D from bovine serum", Eur. J. Biochem., vol. 224, pp 823-833, 1994.	
mm	CH	Li, et al., "Structural Features of GPI-specific Phospholipase D Revealed by Proteolytic Fragmentation and Ca ²⁺ Binding Studies", Journal of Biological Chemistry, vol. 269, no. 46, Issue of November 18, pp 28963-28971, 1994.	
mm	CI	LeBoeuf, et al., "Mouse Glycosylphosphatidylinositol-specific phospholipase D (<i>Gpld1</i>) characterization", Mammalian Genome vol. 9, pp 710-714, 1998.	
mm	CJ	Alemany, et al., "Phospho-dephospho-control by insulin is mimicked by a phospho-oligosaccharide in adipocytes", Nature, vol. 330, November 5, 1987, pp 77-79.	
mm	CK	Thompson, et al., "CLUSTAL W: improving the sensitivity of progressive multiple sequence alignment through sequence weighting, position-specific gap penalties and weight matrix choice", Nucleic Acids Research, vol. 22, no. 22, pp 4673-4680, 1994.	
mm	CL	Vicent, et al., "Alterations in Skeletal Muscle Gene Expression of <i>ob/ob</i> Mice by mRNA Differential Display", Diabetes, vol. 47, pp 1451-1458, September 1998.	
mm	CM	Maguire, et al., "Glycosyl phosphatidyl inositol phospholipase D activity in human serum", Ann. Clin. Biochem., vol. 32, pp 74-78, 1995.	
mm	CN	Huang, et al., "Chiroinositol Deficiency and Insulin Resistance. III. Acute Glycogenic and Hypoglycemic Effects of Two Inositol Phosphoglycan Insulin mediators In Normal and Streptozotocin-Diabetic Rats <i>in Vivo</i> ", Endocrinology, vol. 132, no. 2, pp. 652-657, 1993.	
mm	CO	Hoener, et al., "Phosphatidylinositol-glycan-specific phospholipase D is an amphiphilic glycoprotein that in serum is associated with high-density lipoproteins", Eur. J. Biochem., vol. 206, pp 747-757, 1992.	
mm	CP	Lin et al. "Possible Role of Glycosyl-Phosphatidylinositol (GPI) Anchor Hydrolysis in IgE-Dependent Activation of a Rat Mast (RBL2H3) Cell Line", J. Biol. Chem., Vol. 115, p 220a, 1991.	
mm	CQ	M.A. Deeg, "GPI-specific phospholipase D as an apolipoprotein", Brazilian J Med Biol. Res, vol. 27, pp 375-381, 1994.	
mm	CR	Brewer, et al., "Isolation and Characterization of Apolipoproteins A-I, A-II, and A-IV", Methods in Enzymology, vol 128, pp 223-246, 1986.	
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mm	CS	Hoener, et al., "Glycosyl-phosphatidylinositol-specific phospholipase D Interaction with and stimulation by apolipoprotein A-I", FEBS, vol. 327, no. 2, pp 203-206, 1993.	
mm	CT	Schofield, et al., "Structure and expression of the human glycosylphosphatidylinositol phospholipase D1 (<i>GPLD1</i>) gene", Biochimica et Biophysica Acta, vol. 1494, pp 189-194, 2000.	
mm	CU	Rhode, et al., "Glycosylphosphatidylinositol-specific phospholipase D in blood serum: Is the liver the only source of enzyme?", Clinica Chimica Acta, vol. 281, pp 127-145, 1999.	
mm	CV	Wilhelm, et al., "Cellular Glycosylphosphatidylinositol-Specific Phospholipase D Regulates Urokinase Receptor Shedding and Cell Surface Expression", Journal of Cellular Physiology, vol. 180, pp 225-235, 1999.	
mm	CW	Jones, et al., "The role of glycosyl-phosphatidylinositol in signal transduction", The International Journal of Biochemistry & Cell Biology, vol. 30, pp 313-326, 1998.	
mm	CX	Nazih-Sanderson, et al., "HDL ₃ -signalling in HepG ₂ cells involves glycosyl-phosphatidylinositol-anchored proteins", Biochimica et Biophysica Acta, vol. 1346, pp 45-60, 1997.	
mm	CY	Jones, et al., "Interleukin-2 stimulates a late increase in phosphatidic acid production in the absence of phospholipase D activation", FEBS, vol. 433, pp 23-27, 1998.	
mm	CZ	Küng, et al., "Expression of intracellular and GPI-anchored forms of GPI-specific phospholipase D in COS-1 cells", Biochimica et Biophysica Acta, vol. 1357, pp 329-338, 1997.	
mm	CCA	Stadelmann, et al., "The C-terminus of glycosylphosphatidylinositol-specific phospholipase D is essential for biological activity", Biochimica et Biophysica Acta, vol. 1355, pp 107-113, 1997.	
mm	CCB	Hari, et al., "Uptake and intracellular stability of glycosylphosphatidylinositol-specific phospholipase D in neuroblastoma cells", Biochimica et Biophysica Acta, vol. 1355, pp 293-302, 1997.	
mm	CCC	Hari, et al. "Subcellular distribution of glycosylphosphatidylinositol-specific phospholipase D in rat liver", Biochem. J., vol. 320, pp 315-319, 1996.	
mm	CCD	Deng, et al., "Hydrolysis of membrane-bound liver alkaline phosphatase by GPI-PLD requires bile salts", American Physiological Society, pp G655-G663, 1996.	
mm	CCE	Deeg, et al., "Glycosylphosphatidylinositol-Phospholipase D: A Tool for Glycosylphosphatidylinositol Structural Analysis", Methods in Enzymology, vol. 250, 1995.	
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mm	CCF	Hanada, et al., "Both Sphingolipids and Cholesterol Participate in the Detergent Insolubility of Alkaline Phosphatase a Glycosylphosphatidylinositol-anchored Protein, in Mammalian Membranes", The Journal of Biological Chemistry, vol. 270, no. 11, pp 6254-6260, March 17, 1995.	
mm	CCG	Clemente, et al., "Role of Glycosyl-Phosphatidylinositol Hydrolysis as a Mitogenic Signal for Epidermal Growth Factor", Cellular Signalling, vol. 7, no. 4, pp 411-421, 1995.	
mm	CCH	Lisanti, et al., "Caveolae, transmembrane signalling and cellular transformation", Molecular Membrane Biology, Vol. 12, pp 121-124, 1995.	
mm	CCI	Patrick J. Casey, "Protein Lipidation in Cell Signaling", Science, vol. 268, pp 221-225, April 14, 1995.	
mm	CCJ	Xie, et al., "Streptolysin-O induces release of glycosylphosphatidylinositol-anchored alkaline phosphatase from ROS cells by vesiculation independently of phospholipase action", Biochem. J., vol. 305, pp 529-537, 1995.	
mm	CKK	Stadelmann, et al. "Distribution of glycosylphosphatidylinositol-specific phospholipase D mRNA in bovine tissue sections", Cell Tissue Res., vol. 274, pp 547-552, 1993.	
mm	CCL	Brunner, et al., "An Endogenous Glycosylphosphatidylinositol-Specific Phospholipase D Releases Basic Fibroblast Growth Factor-Heparan Sulfate Proteoglycan Complexes From Human Bone Marrow Cultures", Blood, vol 83, no. 8 pp 2115-2125, April 15, 1994.	
mm	CCM	Xie, et al., "Expression and secretion of glycosylphosphatidylinositol-specific phospholipase D by myeloid cell lines" Biochem J., vol. 297, pp 547-554, 1994.	
mm	CCN	Metz, et al., "Release of GPI-anchored membrane proteins by a cell-associated GPI-specific phospholipase D" The EMBO Journal, vol. 13, no. 7, pp 1741-1751, 1994.	
mm	CCO	Brodbeck, et al., "GPI anchor-hydrolyzing phospholipases", Brazilian J Med. Biol. Res., vol. 27, pp 369-374, 1994.	
mm	CCP	Bergman, et al., "Saponin-induced release of cell-surface anchored Thy-1 by serum glycosylphosphatidylinositol-specific phospholipase D", Biochem J, vol. 298, pp 661-668, 1994.	
mm	CCQ	Müller, et al., "Membrane Association of Lipoprotein Lipase and a cAMP-Binding Ectoprotein in Rat Adipocytes" Biochemistry, vol. 33, pp 12149-12159, 1994.	
mm	CCR	Raymond, et al., "Inositol-specific phospholipase D activity in health and disease", Clinical Science, vol. 86, pp 447-451, 1994.	
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mm	CCS	Mackness, et al., "HDL, its enzymes and its potential to influence lipid peroxidation", Atherosclerosis, vol. 115, pp 243-253, 1995.
mm	CCT	Romero, et al., "Insulin Mediators and the Mechanism of Insulin Action", Advances in Pharmacology, vol. 24, pp. 21-50, 1993.
mm	CCU	Low, et al., "Phosphatidic Acid, Lysophosphatidic Acid, and Lipid A Are Inhibitors of Glycosylphosphatidylinositol-specific Phospholipase D", The Journal of Biological Chemistry, vol 268, no. 12, pp 8480-8490, April 25, 1993.
mm	CCV	Richard G.W. Anderson, "Caveolae: Where incoming and outgoing messengers meet", Proc. Natl. Acad. Sci., vol. 90, pp 10909-10913, December 1993.
mm	CCW	Heller, et al., "A novel form of glycosylphosphatidylinositol-anchor converting activity with a specificity of a phospholipase D in mammalian liver membranes", Biochimica et Biophysica Acta. Vol. 1109, pp 109-116, 1992.
mm	CCX	Metz, et al., "Immunolocalization of a Glycosylphosphatidylinositol-specific Phospholipase D in Mast Cells Found in Normal Tissue and Neurofibromatosis Lesions", American Journal of Pathology, vol. 140, no. 6, pp 1275-1281, June 1992.
mm	CCY	Metz, et al. "Characterization of the Plasma Glycosylphosphatidylinositol-Specific Phospholipase D (GPI-PLD), Cell Biology International Reports, vol. 15, no. 9, pp 875-882, 1991.
mm	CCZ	Metz, et al., "Production of the Glycosylphosphatidylinositol-specific Phospholipase D by the Islets of Langerhans", The Journal of Biological Chemistry, Vol. 266, pp. 17733-17736, September 25, 1991.
mm	CCCA	Cardoso de Almeida, et al., "Identification of an Acid-Lipase in Human Serum which is capable of Solubilizing Glycophosphatidylinositol-Anchored Proteins", Biochemical and Biophysical Research Communications, Vol. 150, No. 1, pp. 476-482, 1988.
mm	CCCB	Davitz, et al., "A Glycan-Phosphatidylinositol-Specific Phospholipase D in Human Serum", Science Vol. 2, pp.81-84, October 1987.
mm	CCCC	Davitz, et al., "Purification of a Glycosyl-Phosphatidylinositol-specific Phospholipase D from Human Plasma", The Journal of Biological Chemistry, Vol. 264, No. 23, pp. 13760-13764, 1989.
mm	CCCD	Michael A. J. Ferguson, "Lipid anchors on membrane proteins", Current Opinion in Structural Biology, Vol. 1, pp. 522-529, 1991.

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mm	CCCE	Hereld, et al., "A Phospholipase C from <i>Trypanosoma brucei</i> which Selectively Cleaves the Glycolipid on the Variant Surface Glycoprotein", The Journal of Biological Chemistry, Vol. 261, No. 29, pp. 13613-13819, October 15, 1986.	
mm	CCCF	Bülow, et al., "Purification and Characterization of the Membrane-form Variant Surface Glycoprotein Hydrolase of <i>Trypanosoma brucei</i> ", The Journal of Biological Chemistry, Vol. 261, No. 25, Sept. 5, 1986, pp. 11918-11923.	
mm	CCCG	Huang, et al., "Purification and Characterization of Glycosyl-phosphatidylinositol-specific Phospholipase D", The Journal of Biological Chemistry, Vol. 265, No. 29, Oct. 15, 1990, pp. 17738-17745.	
mm	CCCH	Martin G. Low, "The glycosyl-phosphatidylinositol anchor of membrane proteins", Biochimica et Biophysica Acta, Vol. 988, pp. 427-454, 1989.	
mm	CCCI	Low, et al., "A phospholipase D specific for the phosphatidylinositol anchor of cell-surface proteins is abundant in plasma", Proc. Natl. Acad. Sci. USA, Vol. 85, pp. 980-984, February 1988.	
mm	CCCJ	Low, et al., "Factors affecting the ability of glycosylphosphatidylinositol-specific phospholipase D to degrade the membrane anchors of cell surface proteins", Biochem. J., Vol. 279, pp. 483-493, 1991.	
mm	CCCK	Stieger, et al., "Enzymatic properties of phosphatidylinositol-glycan-specific phospholipase C from rat liver and phosphatidylinositol-glycan-specific phospholipase D from rat serum", FEBS 1991	
mm	CCCL	Xie, et al., "Glycosylphosphatidylinositol-specific phospholipase D is localized in keratinocytes", The American Physiological Society, pp. C1156-C1168, 1993.	
mm	CCCM	Tsang, et al., "Isolation and expression of two human glycosylphosphatidylinositol phospholipase D (GPI-PLD) cDNAs", EMBL Database, Heidelberg, FRG ascension number L11702; FASEB J. (Supp), 6, A1922.	

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